

1.6.1 Human Resources

Introduction

The success of the NIOSH Mining Program begins with the employees who generate the research concepts, conduct and support the research, and transfer the results to industry. Since the transfer of the Mining Program from the U.S. Bureau of Mines in 1997, the organization and the composition of the workforce has been changing in response to research priorities and funding limitations. This section provides comparative data for Fiscal Year 1998 (FY98), the first full year under NIOSH direction, and for Fiscal Year 2005 (FY05), the current organization.

The Mining Program is under the direction of the NIOSH Associate Director for Mining and Construction, who reports to the Director of NIOSH. The research is primarily conducted by two NIOSH divisions: the Pittsburgh Research Laboratory and the Spokane Research Laboratory.

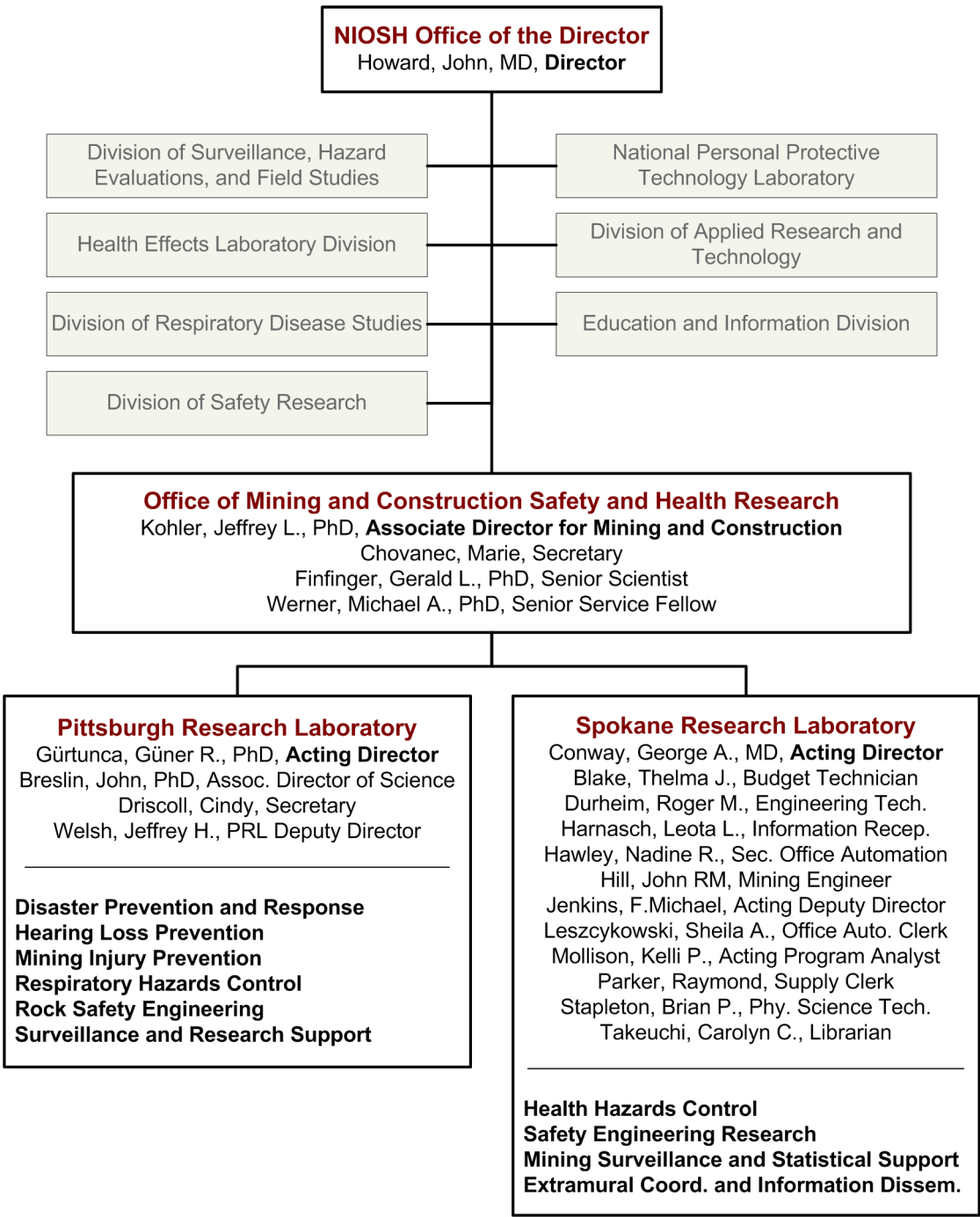
Through attrition and restructuring, the workforce has decreased by 21 employees during this time period. This decrease has allowed us to re-direct resources in response to changing programmatic needs. Despite the overall decrease in staff, we have continued with targeted hiring. We have begun using special hiring programs, such as Research Fellows, that provide opportunities for candidates with advanced degrees in scientific areas and open the hiring to include experts from around the world.

About 74% of the current 256 employees are engineers and scientists. An additional 15% are technicians. The training and experience of the scientific staff remains diverse. The engineers come from 15 different specialty areas, and the scientists are from 26 different disciplines.

We have been increasing the emphasis on the importance of advanced scientific education while still maintaining a practical, hands-on knowledge of the industry. In FY98, about 11% of the workforce had earned PhD's. By FY05, that number had increased to 23%. We have achieved this through hiring and by committing resources to allow current, high potential employees to return to school.



Organizational Structure



Pittsburgh Research Laboratory

OFFICE OF THE DIRECTOR

GURTUNCA, R., Acting Director
DRISCOLL, C., Secretary (Det)
WELSH, J., Deputy Director
BRESLIN, J., Assoc Dir Sci

HEARING LOSS PREVENTION BRANCH

MATTETI, R., Branch Chief
BAILEY, A., Secretary

NOISE CONTROL

BARTHOLMAE, R., Elec Eng
DURK, T., IT Spec
JURJOVICK, J., Gen Eng
KOVALCHIK, P., Gen Eng (Acting TL)
KRAVICH, J., Phys Asst
MELANIS, P., Phys Sci Tech
PETERSON, J., Elec Eng
SPENCER, E., Mech Eng
VANITEK, D., Mech Eng

AUDIOLOGY

BYRNE, D., Res Audio
FOTTA, B., Res Health
HUDAK, R., Ochs Hlth Nurs Spec
HUDSON, A., Electron Tech (Det)
RANDOLPH, R., Res Psychol (Acting TL)

INTERVENTIONS & SUPPORT

BABICH, D., Min Eng
BARRETT, E., Min Eng
BAUER, E., Min Eng
INGRAM, D., Res Phys Sci (Acting TL)
REEVES, E., Gen Eng
REINKE, D., SCEP Socol

RESPIRATORY HAZARDS CONTROL BRANCH

THOMSON, E., Branch Chief
SOBECK, M., Prog Oper Asst
KISSELL, F., Res Phys Sci

DUST CONTROL

BECK, T., Gen Eng
CECALA, A., Min Eng
CHEKAN, G., Min Eng
COLINET, J., Supr Gen Eng
JONES, D., Eng Tech
JOYCE, C., Eng Tech
LANGEND, J., Assoc Dir (Det)
LISTAK, J., Min Eng
MALT, T., Eng Tech
ORGANISKA, J., Min Eng
POLLOCK, D., Mech Eng
PROKOP, A., Eng Tech
REED, W., Min Eng
RIDER, J., Oper Res Analyst

MONITORING

CHILTON, E., Res Chem
GARBOWSKY, C., Eng Tech
HALL, E., Gen Eng
PAGE, S., Res Phys
RAUFUS, S., Ochs Auto Asst
TAYLOR, C., Ind Hyg
TINKOR, R., Supr Res Phys Sci
TUCHMAN, D., Ind Hyg
VANDERLICES, S., Eng Tech
VINSON, R., Phys Asst
VOLKREIN, J., Res Phys Sci
ZIMMER, J., Phys Sci Tech

DIESEL

BUGARSKI, A., Mech Eng
HUMMER, J., Eng Tech
MISCHLER, S., Phys Sci (Acting TL)
NOLL, J., Chemist
PATTS, L., Phys Sci
SCHNAKENBERG, G., Res Phys

ROCK SAFETY ENGINEERING BRANCH

TADOLINI, S., Branch Chief
MITCHELL, K., Prog Oper Asst
SAPKO, M., Res Phys Sci

GEOTECHNICAL ENGINEERING

BARCZAK, T., Res Phys
BATCHELOR, T., Mech Eng
BAUPATEL, J., Min Eng
DOLNARD, J., Min Eng
ELLENBERG, J., Res Phys
ESTERHAUSEN, E., Res Gen Eng
GEARHART, D., Res Gen Eng
IANACHIONE, A., Min Eng Act Supr
MORROW, G., Electron Tech
PROSSER, L., Res Phys Sci

ROCK MECHANICS

ABRUZZINO, A., Stat Asst
BARTON, T., Min Eng
BHATT, S., Res Geologist
CHASE, F., Res Geologist
COMPTON, C., Eng Tech
MARK, C., Supr Min Eng
MARSHALL, J., Electron Tech
MOLINDA, G., Res Geologist
OPFER, D., Ochs Auto Asst
OYLER, D., Mech Eng
PAPPAS, D., Chem Eng
ROBERTSON, S., Min Eng
ZIFF, X., Min Eng

EXPLOSIVES

HARRIS, M., Chem Eng
MAINERO, R., Supr Res Phys Sci
MINOJA, C., Chemist
MYTRYSAK, C., Logist Grm Spec
ROWLAND, J., Res Phys
SOBECK, R., Phys Sci Tech

DISASTER PREVENTION AND RESPONSE BRANCH

BRUNE, J., Branch Chief
MYERS, K., Ochs (Det)
SAPKO, M., Res Phys Sci

VENTILATION AND EXPLOSION PREVENTION

CASHDOLAR, K., Res Phys
CLISCH, B., Ochs Auto Asst
DIAMOND, P., Supr Phys Sci
GARCIA, F., Min Eng
GREEN, G., Phys Tech
GREIG, J., Phys Tech
HELLER, K., Phys Tech
HOLLERICH, A., Phys Tech
KARACAN, O., Scis Fellow
KROG, R., Assoc Serv Fellow
MEIGHEN, M., Min Eng
SCHATZEL, S., Res Geologist
THOMAS, R., Electron Tech
ULERY, J., Res Geologist
ZLOCHOWER, L., Res Chem

FIRE PREVENTION

De ROSA, M., Ind Hyg
EDWARDS, J., Res Phys
FRANKS, R., Electron Eng
FRIEL, G., Chem Eng
Hwang, C., Expert
LITTON, C., Res Phys
MONAGHAN, W., Elec Eng
MUTHA, V., Supr Phys Sci
THOMAS, R., Res Phys Sci
YUAN, L., Assoc Serv Fellow

LAKE LYNN LAB

GOFF, F., Prog Chk
HARTIS, S., Min Eng
JACKSON, K., Electron Tech
KARNACK, F., Phys Sci Tech
SELLERS, D., Phys Sci Tech
SLIVENSKY, W., Phys Sci Tech
WEISS, E., Supr Min Eng

EMERGENCY RESPONSE

CHASKOL, L., Phys Sci Tech
JANSKY, J., Phys Sci
TRAKOFER, K., Res Psych
LAZZARA, C., Supr Phys Sci

MINING INJURY PREVENTION BRANCH

KARRA, V., Branch Chief
HENNING, P., Prog Oper Asst

MSD

COOK, A., Eng Tech
GALLAGHER, S., Res Phys Sci
LEWIS, P., Assoc Serv Fellow
MATTY, T., Electron Tech
MORROW, G., Electron Tech
MCLURE, L., SCEP Eng
NELSON, M., Eng Tech
PORTER, B., SCEP Eng
ROSSI, E., Ind Eng Tech
SCHNEIDER, D., Assoc Serv Fellow
STEINER, L., Supr Gen Eng
TORRES-KRAJEWSKI, J., Scis Fellow

ELECTRICAL SAFETY

BRAUTIGAMA, A., Elec Eng
CAWLEY, J., Elec Eng
DUBANIEWICZ, T., Elec Eng
DUDA, F., Elec Eng
HOMCE, G., Elec Eng
MONREY, G., Elec Eng
SCHIFFBAUER, W., Elec Tech
SHEPPARD, B., Ochs Auto Asst
YENCHEN, M., Supr Elec Eng

MACHINE SAFETY

AMBROSE, D., Safe Eng
BARTLES, J., Mech Eng
DUGARNE, J., Mech Eng
FRIES, E., Supr Gen Eng
JOBES, C., Mech Eng
LUTZ, T., Mech Eng
MINOSKI, S., Ochs Auto Asst
SAMMARCO, J., Elec Eng
WANG, R., Mech Eng

COMPUTATIONAL RESEARCH

CARLII, A., Comp Asst (Det)
COLE, G., Comp Eng
GLOWACKI, A., Comp Sci
KRITOWSKA, C., Elec Eng
UNGER, R., Safe Eng

HUMAN FACTORS

CALHOUN, R., Safe Ochs Hlth Spec
MALLET, L., Res Soc Sci
PETERS, R., Supr Soc Sci
VAUGHT, C., Res Soc Sci
WIEHAGEN, W., Ind Eng

SURVEILLANCE & RESEARCH SUPPORT BRANCH

NIEZGODA, K., Branch Chief
GRAMLIN, J., Secretary (Det)

SURVEILLANCE & STATISTICS

LENART, P., IT Spec (Det)
MCNEILL, G., Pub Hlth Adv
MURPHY, J., SCEP Eng
WILLIAMS, L., Stat Soc Sci
WIELA, S., SCEP Eng
POLESNYA, S., Stat Asst

HEALTH & SAFETY COMMUNICATION

BRINCHAM, H., Res Comm Spec
CARUSO, D., Hlth Comm Fellow
DICKERSON, J., Hlth Comm Fellow
TUCHMAN, R., Tech Writer/Editor

RESEARCH SUPPORT

FULTON, B., Ochs Auto Asst
PASCOE-CONTEENA, Admin/Obs

Spokane Research Laboratory

OFFICE OF THE DIRECTOR

CONWAY G., Director (Acting)
 HAWLEY N., Secretary (OA)
 JENKINS F., Deputy Director (Acting)
 BLAKE T., Budget Tech
 DURHEIM R., Engr Tech
 HARNASCH L., Info Recept
 HILL J., Supv Min Eng
 LESZCZYKOWSKI S., Clerk (OA)
 MOLLISON K., Prog Analyst (Acting)
 PARKER R., Supply Clerk
 STAPLETON B., Phys Sci Tech
 TAKEUCHI C., Librarian
 VACANCY, Admin Officer

EXTRAMURAL COORDINATION AND INFORMATION DISSEMINATION ACTIVITY

CULLEN E., Activity Chief
 KISSLER L., Tech Info Spec (Trainee)
 MATTHEWS L., Prog Analyst (Trainee)
 OSTENDORF C., Vis Info Spec
 STRUNK K., Eng Draftsman
 TESKE T., Info Spec
 WOPAT P., Tech Pub Editor

HEALTH HAZARDS CONTROL BRANCH

BOLDT L., Branch Chief
 MURRAY L., Secretary (OA)
 BEVAN J., Mech Eng
 CAMM T., Min Eng
 DRAKE P., Res Chem
 DWYER J., Min Eng
 FERCH S., Psych
 HINTZ P., Ind Hyg
 KING G., Mech Eng
 KITLUSAMY K., Biomed Eng
 MARCY D., Chem
 MAY J T, Spec
 McKIBBIN R., Min Eng
 MILLER A., Mech Eng
 MILLER R., Mech Eng
 ORR T., Comp Eng
 PIERCE P., Phys Sci
 SCOTT D., Geologist
 VARLEY F., Safety Eng
 WOODWARD C., Eng Tech

SAFETY ENGINEERING BRANCH

SIGNER S., Branch Chief (Acting)
 BURROW L., Secretary (OA)
 BEUS M., Min Eng
 BRADY T., Phys Sci
 CLARK C., Mech Eng
 DUNFORD J., Min Eng
 HOWIE W., Electron Tech
 HUSTRULD W., Min Eng
 IVERSON S., Min Eng
 JOGGERST P., Min Eng
 JOHNSON J., Min Eng
 JONES F., Eng Tech
 LARSON M., Min Eng
 MacLAUGHLIN M., Min Eng
 MARTIN L., Mech Eng
 McHUGH E., Phys Sci
 MILLER G., Mech Eng
 MILLER H., Min Eng
 OWENS J., Mech Eng
 PAKALNIS R., Min Eng
 RAINS R., Geologist
 RUFF T., Elec Eng
 SEYMOUR J., Min Eng
 STEWART B., Min Eng
 SUNDERMAN C., Elec Eng
 SWANSON P., Geophysicist
 TESARIK D., Mech Eng
 WARNEKE J., Min Eng
 WHYATT J., Min Eng
 WILLIAMS T., Min Eng
 ZAHLE E., Civil Eng

MINING SURVEILLANCE AND STATISTICAL SUPPORT ACTIVITY

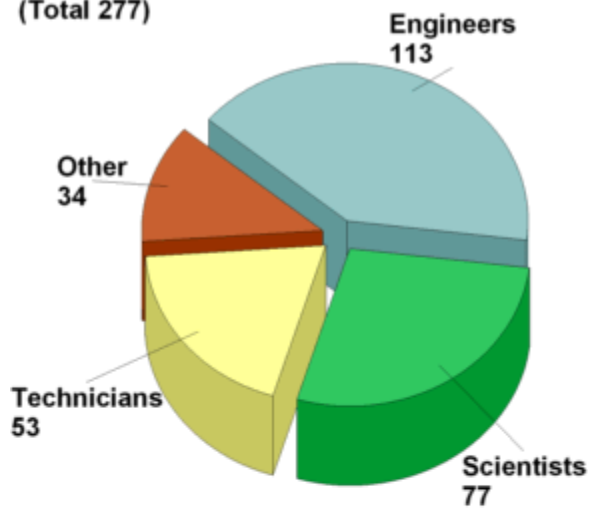
COLEMAN P., Activity Chief
 PICKETT C., Secretary (OA)
 KERKERING J., Math
 LOWE N., Phys Sci
 MARTIN L., Stat Asst
 VACANCY, Pub Health Adv
 VACANCY, Epidemiologist

September 2005

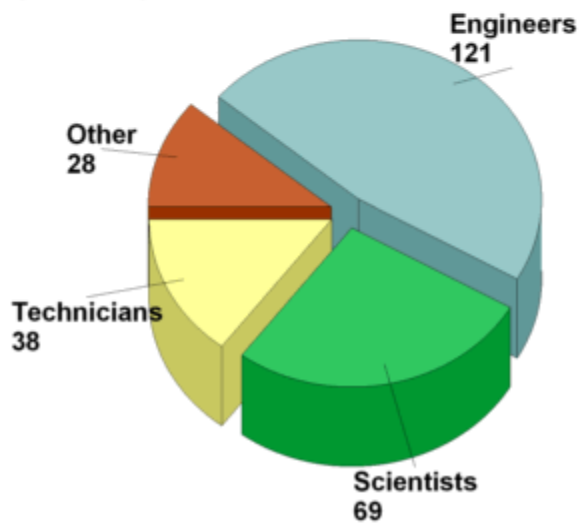
Personnel Types

Type	FY1998	FY2005	Diff.	% Diff.
Engineers	113	121	8	7
Scientists	77	69	-8	-10
Technicians	53	38	-15	-28
Other	34	28	-6	-18
Total	277	256	-21	-8

Personnel Types - FY1998
(Total 277)



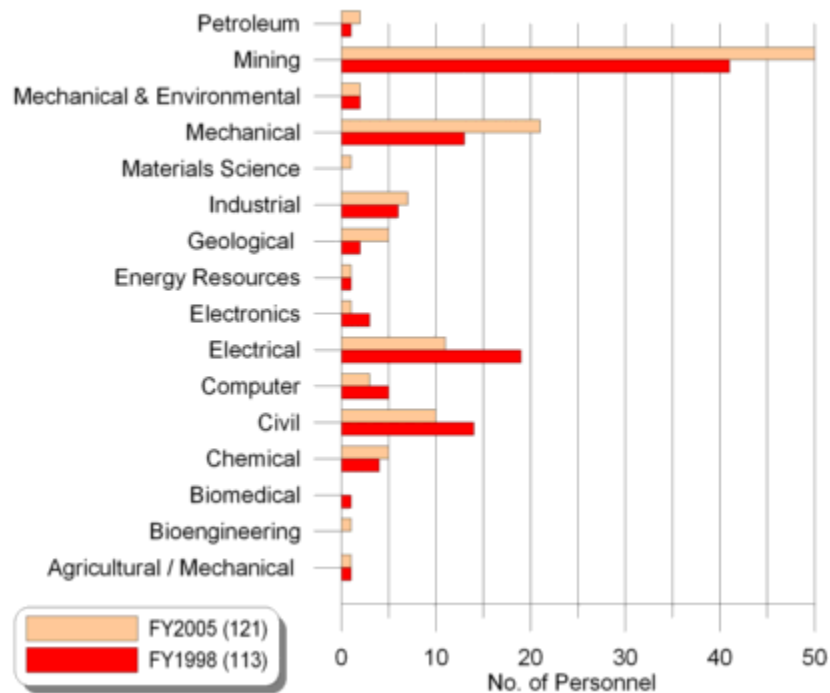
Personnel Types - FY2005
(Total 256)



Engineering Speciality

Engineering Speciality	FY1998	FY2005
Agricultural/Mechanical	1	1
Bioengineering	0	1
Biomedical	1	0
Chemical	4	5
Civil	14	10
Computer	5	3
Electrical	19	11
Electronics	3	1
Energy Resources	1	1
Geological	2	5
Industrial	6	7
Materials Science	0	1
Mechanical	13	21
Mechanical and Environmental	2	2
Mining	41	50
Petroleum	1	2
Total	113	121

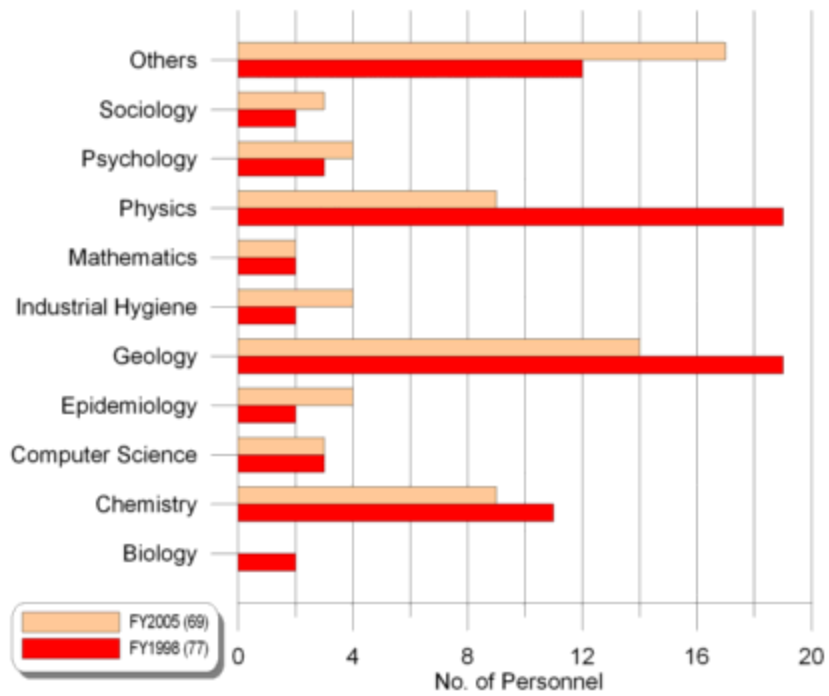
Personnel Breakdown by Engineering Speciality



Scientific Speciality

Scientific Specialty	FY1998	FY2005
Acoustics	0	1
Audiology	1	1
Biology	2	0
Chemistry	11	9
Computer Science	3	3
Earth Science	1	0
Education	1	1
Environmental Health	0	1
Epidemiology	2	4
Ergonomics	0	1
Geography	1	1
Geology	19	14
Geophysics	1	1
Health Services	1	1
Hydrology	1	0
Industrial Hygiene	2	4
Mathematics	2	2
MD, Occupational Health	0	1
Metallurgy	1	1
Microbiology	0	1
Physics	19	9
Physiology	0	1
Psychology	3	4
Public Health	0	1
Reading And Language Arts	1	1
Research Methodology	1	1
Safety Science	1	0
Sociology	2	3
Statistics	0	1
Symbolic Logic	1	1
Total	77	69

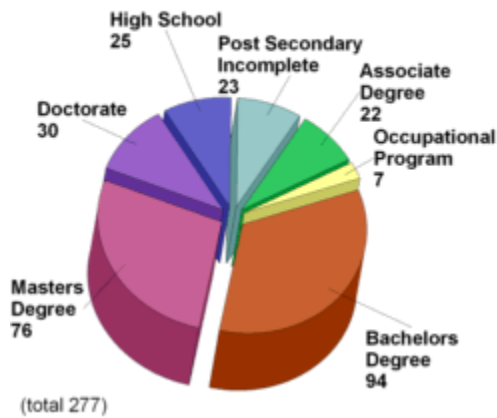
Personnel Breakdown by Scientific Specialty



Education Levels

Highest Education Attained	FY1998	FY2005	Net Diff.	% FY1998	% FY2005	% Net Diff.
Associate Degree	22	17	-5	8	7	-1
Bachelor Degree	94	71	-23	34	28	-6
Doctorate	30	58	28	11	23	12
High School	25	17	-8	9	7	-2
Masters Degree	76	75	-1	27	29	2
Occupational Program	7	2	-5	3	1	-2
Post Secondary Incomplete	23	16	-7	8	6	-2
Total	277	256	-21			

Personnel Breakdown by Highest Education Attained - FY1998



Personnel Breakdown by Highest Education Attained - FY2005

